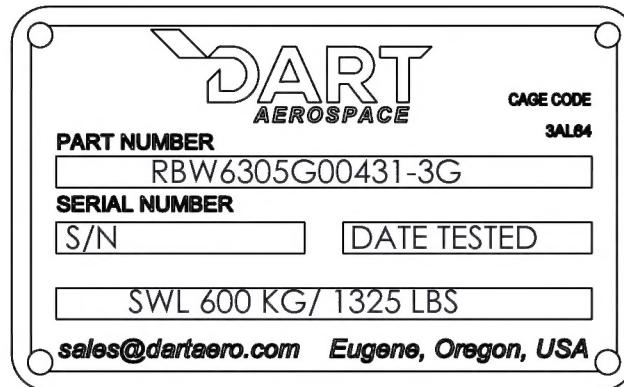
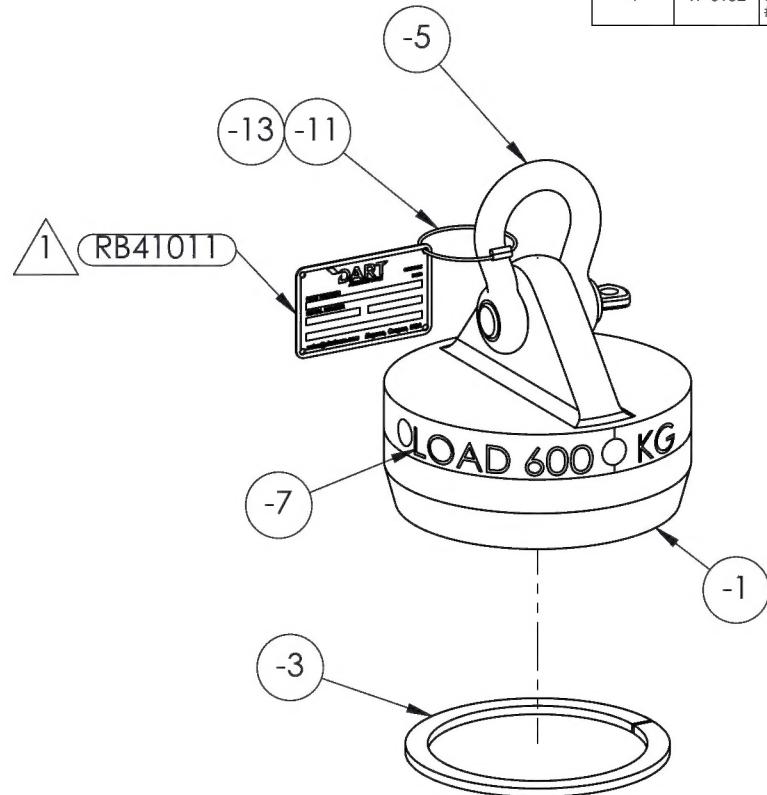


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		SHEET 2, ADDED 2.725 REF DIM. AND EQUALLY SPACED @ 90° CALLOUT. SHEET 3, SLOT FROM .10 TO .070.	2/3/12	JAG	
2	14-0226	UPDATED DWG SHEETS TO DART. -1 ADDED SHERICAL RADIUS 1.00, DELETED 4X R.56 AT BASE OF FLAT. -9 CH'D PLACARD FROM RED BARN PLACARD TO DART PLACARD.	12/22/14	RJC	JAG
3	16-0255	UPDATED TO NEW STANDARDS. CH'D NOTE 1 SHEET 1 WAS SWL 600 KG IS SWL 600 KG / 1325 LBS, CH'D NOTE 2 SHEET 1 WAS TEST TO 1200 KG IS LOAD TEST TO 1200 KG / 2650 LBS. -1 CH'D MATERIAL WAS 4140 IS 4140/4142; ADDED HEAT TREAT; ADDED NOTES. -3 CH'D DIM WAS (.188) IS .19. -7 CH'D SHEET TOLERANCES WAS $\pm .005/\pm .01$ IS $\pm .01/\pm .03/\pm .1$. -9 DELETED P/N . ADDED WEIGHT TEST SHEET TO DWG.	12/5/2016	SM	JAG
4	17-0132	-1 CH'D NOTE 1 ZINC PLATE SPEC WAS ASTM B633 TYPE II SC 2 IS ASTM B633 TYPE I SC2. -7 CH'D CALL OUT WAS 5/8" LETTERING IS 5/8" ARIAL FONT. ADDED NOTE 3, SHT 1. -11 CH'D B/O INFO WAS REID #CL2C IS CARR-LANE CL-2-C.	6/2/2017	RJC	JAG



NOTES:

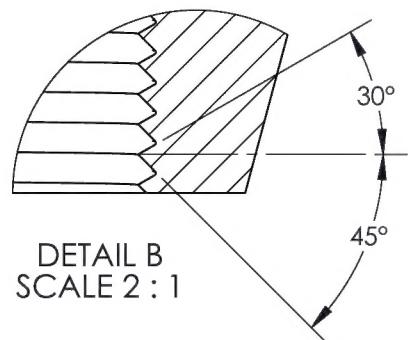
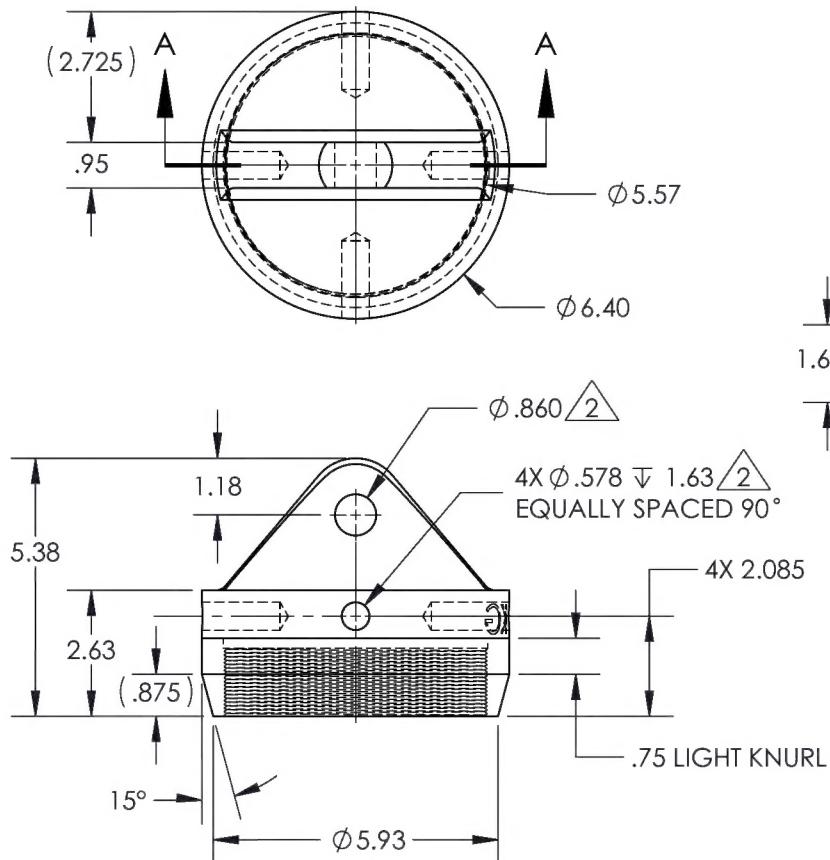
- 1 ENGRAVE WITH T/N, S/N, SWL 600 KG/1325 LBS., AND DATE TESTED.
- 2. LOAD TEST TO 1200 KG / 2650 LBS.
- 3. OEM REF. T/N: 3G6305G00431.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.	MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
			-1	1	FLANGE	4140/4142		2	HEAT TREAT	.XXX $\pm .005$ FRACTIONS $\pm 1/8$
			-3	1	RING	NYLON		3	FINISH	.XX $\pm .01$ ANGLES $\pm 5^\circ$
		B/O	-5	1	SCREW PIN SHACKLE	STEEL	5/8 (MCMASTER-CARR #3663T43)	1	SPEC	X $\pm .1$ SURFACES = 125 ✓
		B/O	-7	1	LOAD 600 KG	VINYL	BLACK, CUT VINYL (SIGNS NOW)	4	DRAWN BY:	GILBERT
		B/O	-11	1	LANYARD WIRE	STEEL	Ø1/16 X 3 (CARR-LANE #CL2C)	1	CHECKED:	CLOUGH
		B/O	-13	1	FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMASTER-CARR #3896T31)	1	OPPS APPR:	ANDERSON
		B/O		1	DART PLACARD	ALUMINUM	RB41011	1	QA APPR:	LINDSAY USED ON MODEL
								1	APPROVED:	GILBERT AW139
								1	SCALE	1:4 DATE 3/30/2011
								1		SHEET 1 OF 5

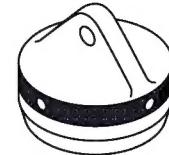
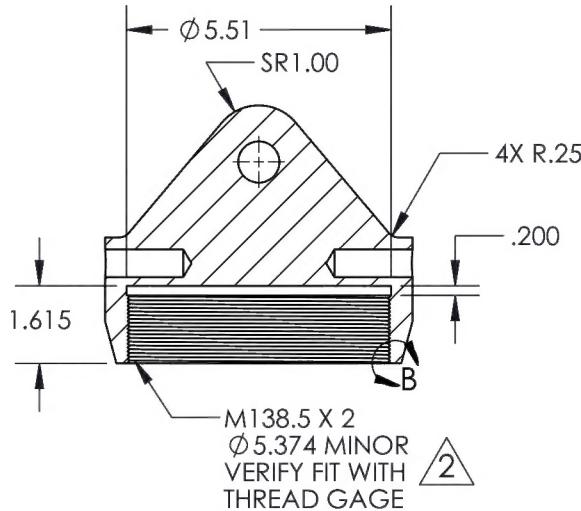
TITLE		DWG NO.		REV	
HOISTING FLANGE MGB		RBW6305G00431-3G		4	
MAT'L					
HEAT TREAT					
FINISH					
SPEC					
DRAWN BY:	GILBERT				
CHECKED:	CLOUGH				
OPPS APPR:	ANDERSON				
QA APPR:	LINDSAY				
APPROVED:	GILBERT				
SCALE	1:4				
DATE	3/30/2011				

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		ADDED 2.725 REF DIM. AND EQUALLY SPACED @ 90° CALLOUT.	2/3/12	JAG	
2	14-0226	-1 ADDED SHERICAL RADIUS 1.00, DELETED 4X R.56 AT BASE OF FLAT.	12/22/14	RJC	JAG
3	16-0255	-1 CH'D MATERIAL WAS 4140 IS 4140/4142; ADDED HEAT TREAT; ADDED NOTES.	12/5/2016	SM	JAG
4	17-0132	-1 CH'D NOTE 1 ZINC PLATE SPEC WAS ASTM B633 TYPE I SC 2 IS ASTM B633 TYPE I SC2.	6/2/2017	RJC	JAG



(1)
FLANGE



NOTES:

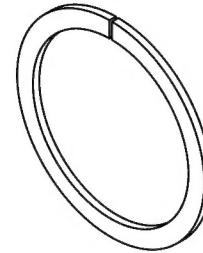
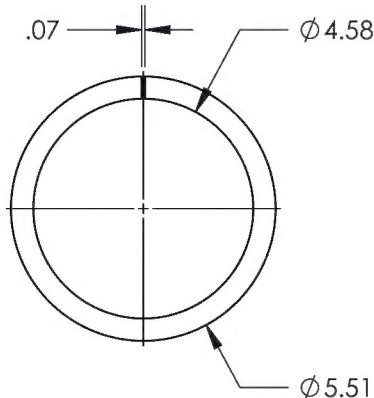
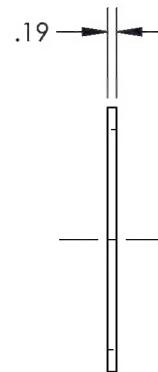
1. DUAL FINISH
1ST: ZINC PLATE, ASTM B633 TYPE I CLASS SC2.
2ND: POWDER COAT RED

△ NO POWDER COAT ON SURFACE.

DART AEROSPACE	
TITLE	
HOISTING FLANGE MGB	
DWG NO. RBW6305G00431-3G-1 REV 4	
MAT'L 4140/4142 HEAT RC 28-34 TREAT SEE NOTE 1 SPEC DRAWN BY: GILBERT CHECKED: CLOUGH OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT DRAWN BY: GILBERT CHECKED: CLOUGH OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT DRAWN BY: GILBERT CHECKED: CLOUGH OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES $.XXX \pm .005$ FRACTIONS $\pm 1/8$ $.XX \pm .01$ ANGLES $\pm 5^\circ$ $X \pm .1$ SURFACES = 125 1. BREAK ALL SHARP EDGES $.015 \times 45^\circ$ OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 USED ON MODEL AW139	
SCALE 1:4	DATE 3/24/2011
SHEET 2 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		SLOT FROM .10 TO .070.	2/3/12	JAG	
3	16-0255	-3 CH'D DIM WAS (.188) IS .19.	12/5/2016	SM	JAG



(-3)

RING

DART AEROSPACE	
TITLE	
HOISTING FLANGE MGB	
DWG NO.	RBW6305G00431-3G-3
REV	4
MATERIAL NYLON	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .005 FRACTIONS ± 1/8
TREAT	.XX ± .01 ANGLES ± 5°
FINISH	X ± .1 SURFACES = 125
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY:	GILBERT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
AW139	
SCALE	1:4
DATE	3/24/2011
SHEET 3 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0255	-7 CH'D SHEET TOLERANCES WAS $\pm .005/\pm .01/\pm .1$ IS $\pm .010/\pm .03/\pm .1$.	12/5/2016	SM	JAG
4	17-0132	-7 CH'D CALL OUT WAS 5/8" LETTERING IS 5/8" ARIAL FONT.	6/2/2017	RJC	JAG

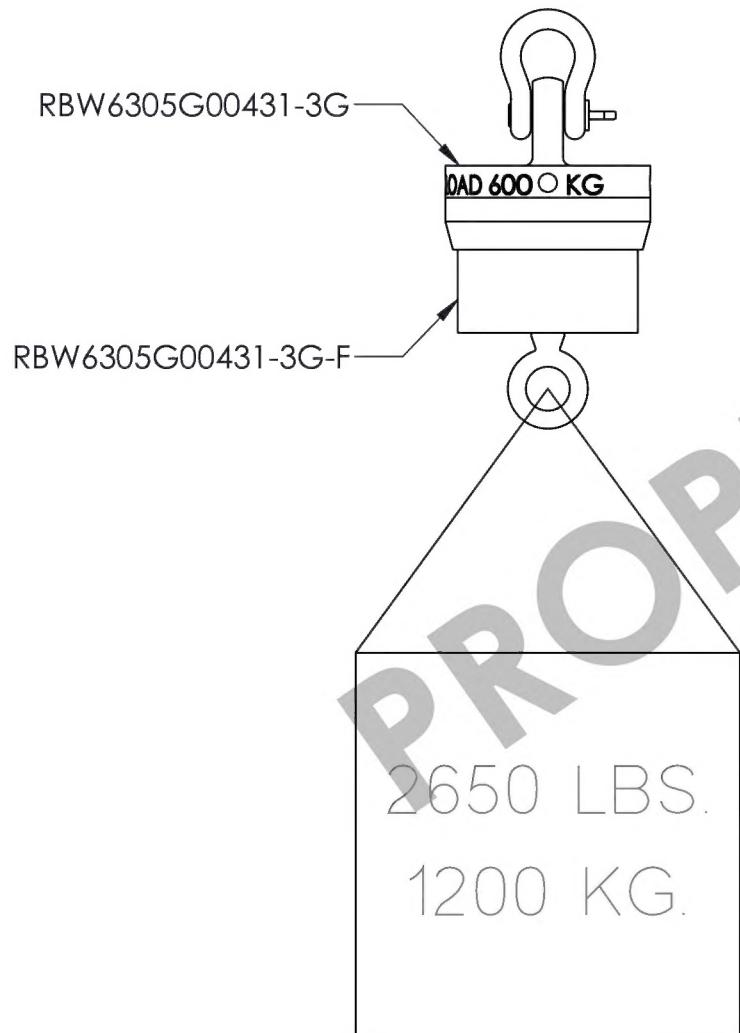
5/8" ARIAL FONT
LOAD 600 KG

(-7)

LOAD 600 KG

	
TITLE	
HOISTING FLANGE MGB	
DWG NO.	RBW6305G00431-3G-7
REV	4
MAT'L VINYL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX $\pm .010$ FRACTIONS $\pm 1/8$
TREAT	.XX $\pm .03$ ANGLES $\pm 1^\circ$
FINISH	X $\pm .1$ SURFACES = 125
SPEC	
DRAWN BY:	GILBERT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	AW139
SCALE	1:4
DATE	3/24/2011
SHEET 4 OF 5	

FIRST ARTICLE WEIGHT TEST



INSPECTION & TESTING PROCEDURES FOR THE RBW6305G00431-3G, HOISTING FLANGE MGB. THIS ASSEMBLY IS DESIGNED FOR HOISTING AND INSTALLING/REMOVING THE AW139 MGB. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE.

REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, PLACE SLING ASSEMBLY ON A OVERHEAD LIFTING DEVICE. ATTACH TEST FIXTURE, RBW6305G00431-3G-F, TO RBW6305G00431-3G AND AN APPROPRIATE TEST WEIGHT OF 1200 KG / 2650 LBS.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
3. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR: _____

TESTER: _____

S.N.: _____

DATE: _____

DART AEROSPACE	
190 S. Danebo Ave., Eugene, OR. 97402	
1-800-556-4166	
e-mail: sales@dartaero.com	
dartaerospace.com	
TITLE: HOISTING FLANGE MGB	
DWG NO. RBW6305G00431-3G	REV 4
SCALE 1:6	DATE 12/23/2015
CUSTOMER 1 OF 1	
SHEET 5 OF 5	